

Ham's Nutrient Mixture (F12 and F10)

	Ham's	Ham's	Ham's
		F-10	F-10
Cat. No.	12-615	12-618	02-014F
	Liquid	Liquid	Liquid
Component	mg/L	mg/L	mg/ml
Inorganic Salts	Ū	Ū	Ü
CaCl₂•2H₂0	44.11	44.10	44.10
CuSO ₄ •5H ₂ 0	0.00	0.00	0.00
FeSO ₄ •7H ₂ 0	0.83	0.83	0.83
KCI	223.65	285.00	285.00
KH₂PO₄		83.00	83.00
MgCl ₂ •6H ₂ 0	122.00		
MgSO ₄ •7H ₂ 0		152.80	152.80
NaCl	7599.00	7400.00	7400.00
NaHCO₃	1176.00	1200.00	1200.00
Na ₂ HPO ₄ •7H ₂ 0	268.10	290.00	290.00
ZnSO4•7H₂0	0.86	0.29	0.29
Other Components			
Glucose	1801.60	1100.00	1100.00
Hypoxanthine	4.08	4.08	4.08
Linoleic Acid	0.08		
Lipoic Acid	0.21		0.20
Phenol Red•Na	1.24	1.20	1.20
Putrescine•2HCI	0.16		
Sodium Pyruvate	110.10		
Thymidine	0.73	0.73	
Amino Acids			
L-Alanine	8.91		
L-Arginine•HCI	210.70		
L-Asparagine• H₂0	15.01		
L-Aspartic Acid	13.31		
L-Cysteine•HCI• H ₂ 0	35.12		
L-Glutamic Acid	14.71		
L-Glutamine	146.20	146.20	
L-Alanyl•L-Glutamine	7.54	7.54	446.00
Glycine	7.51	7.51	7.51
L-Histidine•HCI•H ₂ 0	20.96		
L-Isoleucine	3.94		
L-Leucine	13.12		
L-Lysine•HCl L-Methionine	36.54		
	4.48		
L-Phenylalanine L-Proline	4.96 34.53		
L-Serine	10.51		
L-Threonine	11.91	3.57	
L-Tryptophan	2.04		
L-Tyrosine	5.44		
L-Tylosine	J. 44	1.01	1.01

L-Valine	11.71	3.50	3.50
Vitamins			
d-Biotin	0.01	0.02	0.02
D-Ca Pantothenate	0.24	0.72	0.72
Choline Chloride	13.96	0.70	0.70
Folic Acid	1.32	1.32	1.32
i-Inositol	18.00	0.54	0.54
Nicotinamide	0.04	0.62	0.62

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